STEREO DOUBLE CASSETTE DECK

KX-W8060

SERVICE MANUAL

KENWOOD

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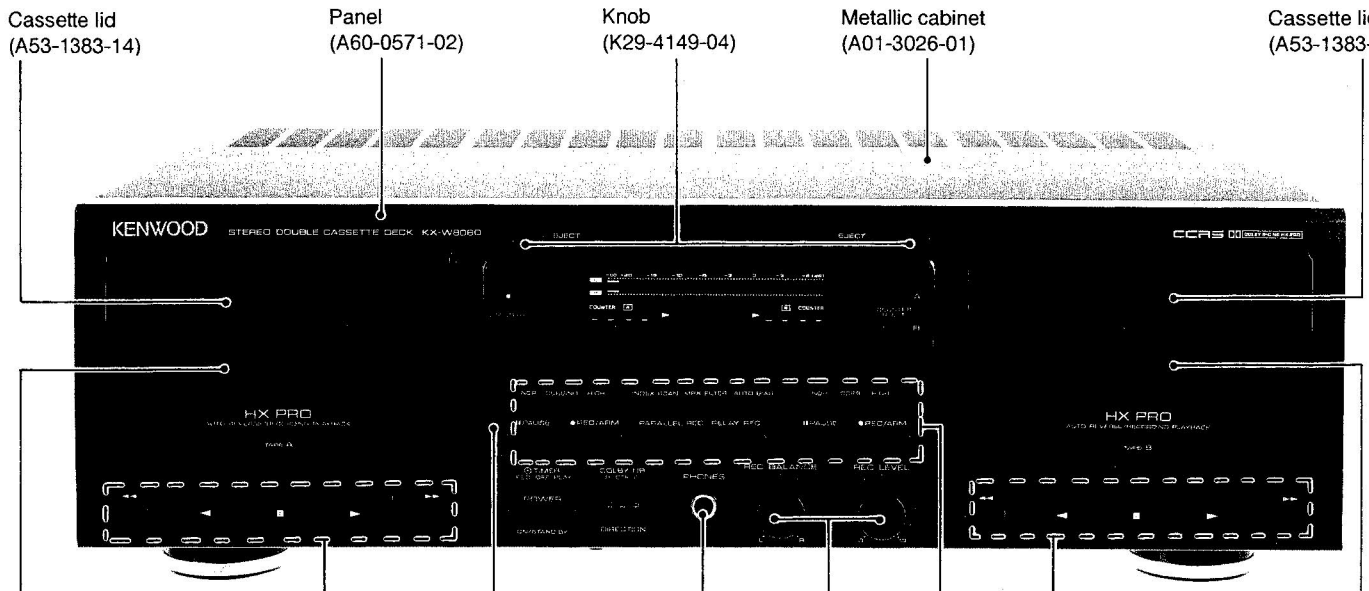


Cassette holder ass'y
(A53-1384-03):K,P,Y,M,X,R
(A53-1398-03):T,E

Knob
(K29-5626-03)

Dressing panel
(A21-1826-03)

Phone jack
(E11-0208-05)

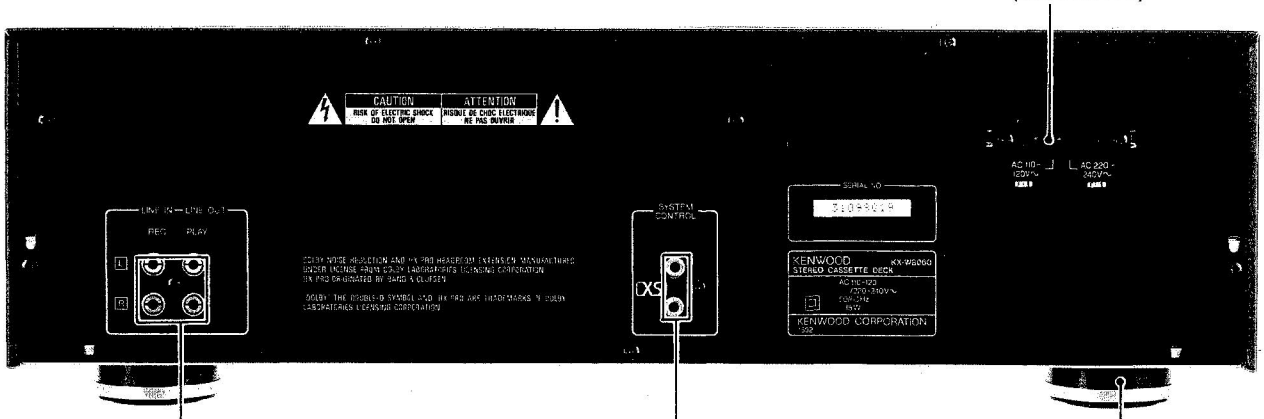
Knob
(K29-5628-04)

Sub panel
(A22-1605-01)

Knob
(K29-5626-03)

Cassette holder ass'y
(A53-1386-03):K,P,Y,M,X,R
(A53-1400-03):T,E

AC inlet
(E03-0102-25)



Phono jack
(E13-0445-05)

Miniature phone jack
(E11-0188-05)

Foot
(J02-1013-05):K,P,R(Rear)
(J02-1024-05):K,P,R(Front)
(J02-1034-05):Y,M,X,T,E

*Refer to parts list on page 22.

Refer to the KX-W8050 (B51-4680-00) service manual , if need the disassembly for repair and block diagram.

KX-W8060

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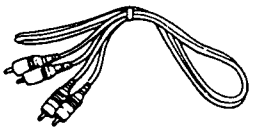
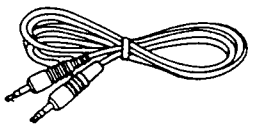
Accessories

Audio cord 2
(E30-0505-05)

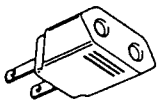


System control cord 1
(E30-2733-05)



AC cord 1
(Except for some areas.)
(The shape may vary depending on the destination area.) (E30-1305-15:Y)
(E30-1329-05:M)

AC plug adaptor 1
(Except for some areas.)
For the unit with a European AC plug in areas other than Europe. (E03-0115-05)



INSTRUCTION MANUAL

B60-1600-00 (English)	
B60-1601-00 (French)	P,E
B60-1602-00 (Chinese)	M
B60-1603-00 (GE,Du,It)	E
B60-1604-00 (Spanish)	M,E,R

[Made in China]

Item carton case

H50-1035-04	K,P,Y,X,E,R
H50-1036-04	M
H50-1037-04	T

Polystyrene formed fixture

H10-5703-02	K,P,Y,M,X,E,R
H10-5704-02	K,P,Y,M,X,E,R
H10-5705-02	T
H10-5706-02	T

[Made in Japan]

Item carton case

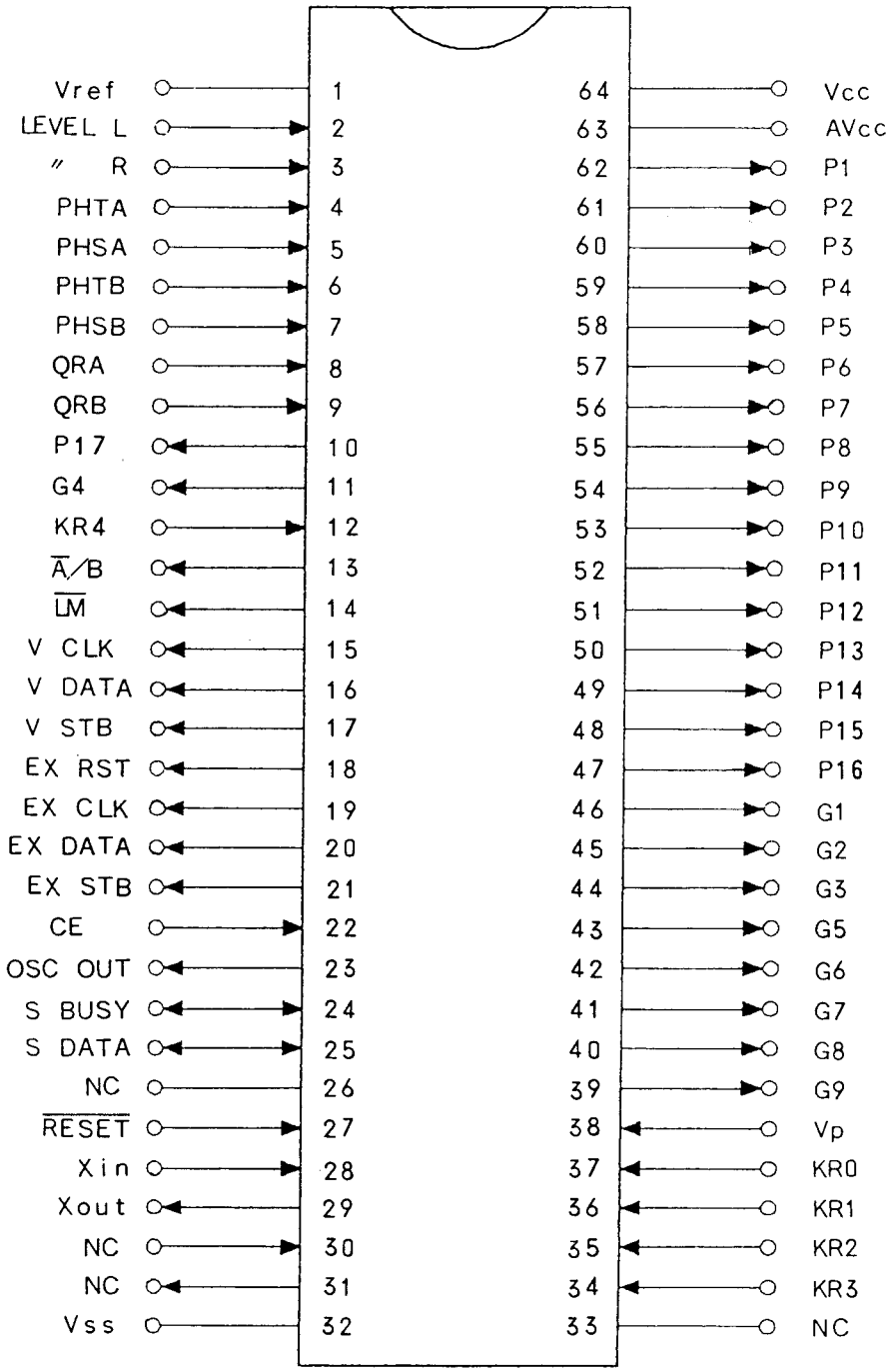
H50-1043-04	K,M,R

Polystyrene formed fixture

H10-5101-12	K,M,R
H10-5102-02	K,M,R

CIRCUIT DESCRIPTION

Micro processor (M50945-129SP)



KX-W8060

CIRCUIT DESCRIPTION

Pin Description

Pin No.	I/O	Name	Function
1	-	VREF	Analog-to-digital converter reference voltage
2	I	LEVEL L	Left-channel signal input
3	I	LEVEL R	Right-channel signal input
4	I	PHTA	Mechanism A takeup hub sensor input
5	I	PHSA	Mechanism A supply hub sensor input
6	I	PHTB	Mechanism B takeup hub sensor input
7	I	PHSB	Mechanism B supply hub sensor input
8	I	QRA	Mechanism A quick-reverse sensor input
9	I	QRB	Mechanism B quick-reverse sensor input
10	O	Sq	Fluorescent segment output q
11	O	P17	Fluorescent grid output 4G
12	I	KR4	Key input H: KEY ON L: KEY OFF
13	O	$\overline{A/B}$	A/B switching output H: B deck L: A deck
14	O	$\overline{L.MUTE}$	Line mute output H: MUTE OFF L: MUTE ON
15	O	VCLK	Electronic volume control clock output
16	O	VDT	Electronic volume control data output
17	O	VST	Electronic volume control strobe output
18	O	EXRST	Extended IC reset output H: Normal L: Reset
19	O	EXCLK	Extended IC clock output
20	O	EXDATA	Extended IC data output
21	O	EXST	Extended IC strobe output
22	I	CE	AC off detection H: AC ON L: AC OFF
23	O	OSC	400-Hz/10-kHz output for auto-bias
24	I/O	SBUSY	Serial busy input/output
25	I/O	SDATA	Serial data input/output
26	-	Vss	Connect to ground
27	I	$\overline{RESET}$	Reset input H: Normal L: Reset
28	I	XIN	4-MHz ceramic-lock connection input
29	O	XOUT	4-MHz ceramic-lock connection input
30	I	XCIN	Connect to GND. Pin for clock pulses for time display
31	O	XCOUT	OPEN. Pin for clock pulses for time display
32	-	Vss	Ground pin
33	O	NC	OPEN
34	I	KR3	Key input H: KEY ON L: KEY OFF
35	I	KR2	Key input H: KEY ON L: KEY OFF
36	I	KR1	Key input H: KEY ON L: KEY OFF
37	I	KR0	Key input H: KEY ON L: KEY OFF
38	I	Vp	Connect to -30 V High-voltage-resistant port pulldown voltage input
39	O	G9	Fluorescent grid output 9G
40	O	G8	Fluorescent grid output 8G
41	O	G7	Fluorescent grid output 7G
42	O	G6	Fluorescent grid output 6G
43	O	G5	Fluorescent grid output 5G
44	O	G3	Fluorescent grid output 3G
45	O	G2	Fluorescent grid output 2G
46	O	G1	Fluorescent grid output 1G

CIRCUIT DESCRIPTION

Pin Description

Pin No.	I/O	Name	Function
47	O	Sa	Fluorescent segment output a
48	O	Sb	Fluorescent segment output b
49	O	Sc	Fluorescent segment output c
50	O	Sd	Fluorescent segment output d
51	O	Se	Fluorescent segment output e
52	O	Sf	Fluorescent segment output f
53	O	Sg	Fluorescent segment output g
54	O	Sh	Fluorescent segment output h
55	O	Si	Fluorescent segment output i
56	O	Sj	Fluorescent segment output j
57	O	Sk	Fluorescent segment output k
58	O	Sl	Fluorescent segment output l
59	O	Sm	Fluorescent segment output m
60	O	Sn	Fluorescent segment output n
61	O	So	Fluorescent segment output o
62	O	Sp	Fluorescent segment output p
63	-	Avcc	Analog-to-digital converter power supply. Connect to backed-up +5V.
64	-	Vcc	Power supply pin. Connect to backed-up +5V.

KX-W8060

CIRCUIT DESCRIPTION

Test Mode

1. Test 1

(a) Setting

Short test pins (TP 3 -▷|- 4) with a diode, and plug in the AC cord.

(b) Cancel

To cancel the test mode, press the PAUSE key on deck A or B, or switch the power off. Note that the direction and counter values while in the test mode are stored in memory. If the AC cord is disconnected while in the test mode, the memory is initialized completely.

(c) Operation

Mode	Operation
All indicators on	All indicators light two seconds after the power is switched on, then the normal display resumes (except for the meter section).
Mechanical switch display (DIRECTION switch)	L INHFA CrO2A METALA INHRA -15 -10 -6 -3 R INHFB CrO2B METALB INHRB 0 +3 +6
Four-second recording (for decks A and B)	When the REC key is pressed, the counter is reset to 0.000, recording is done for four seconds, then the recorded part is played back from the beginning. • The key is accepted at any time.
Timer play	Deck A high-speed playback 4 seconds Deck A normal-speed playback 12 seconds Deck B high-speed playback 4 seconds Deck B normal-speed playback 12 seconds
Time recording	Deck B recording 15 seconds Rewind to the beginning. Deck B playback 13 seconds Deck B stop Note: Time recording is not done if there is no cassette in deck B.
Speed change	FWD PLAY key ..... Normal playback (FWD) FF key ..... High-speed playback (FWD) RVS PLAY key ..... Normal playback (RVS) RWD key ..... Rewind Note: If the FWD PLAY and FF keys are pressed altermately, the head dones not retract.
High-speed recording	When the H. CCRS key is pressed, high-speed recording is done on deck B. Note: High-speed recording is not done if there is no cassette in deck B.
Dubbing H ⟷ L	If the H. DUB and N. DUB keys are pressed alternately, the dubbing speed can be changed without retracting the head. Note: The speed cannot be changed if there is no cassette in deck B.
Input level ATT	When the N. CCRS key is pressed, recording pauses, and the level can be input. If the input is excessive (+5 dB or higher), the PWM is changed and the level is set. When the B. REC key is pressed, recording can be done at the specified level. Note that the level is canceled when another operation is performed.
Keys to be inhibited	The DPSS mode is not entered. Note that the display is slightly different from the normal one.

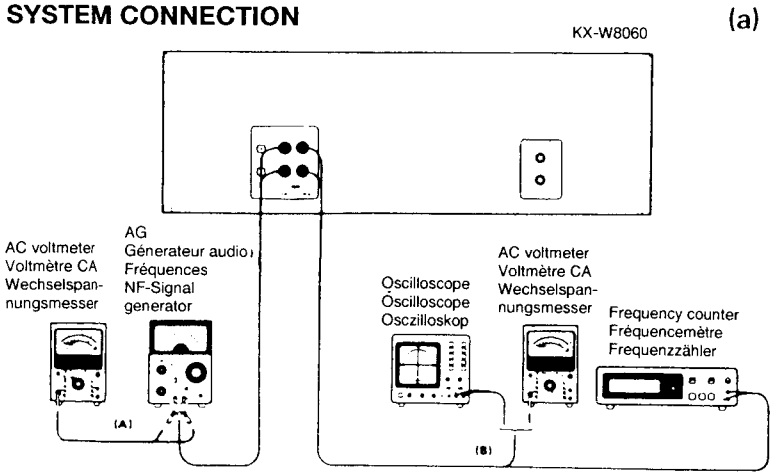
ADJUSTMENT

No.	ITEM	INPUT SETTINGS	OUTPUT SETTINGS	CASSETTE TAPE DECK SETTINGS	ALIGNMENT POINTS	ALIGN FOR	FIG.
CASSETTE DECK SECTION		TAPE: NORMAL, DOLBY: OFF, INPUT: LINE				0dBs = 0.775V	
I REC/PLAY HEAD							
[1]	DEMAGNETIZATION	-	-	POWER: OFF Remove the cassette door.	REC/PLAY head	Demagnetize the REC/PLAY head with a head demagnetizer.	
[2]	CLEANING	-	-	PLAY	REC/PLAY head erase head, capstan, pinch roller.	Clean the REC/PLAY head erase head, capstan and pinch roller using a cotton swab slightly damped with alcohol.	
[3]	AZIMUTH	MTT-114, TCC-153 SCC-1727 10kHz, -10dB	(B)	PLAY	Azimuth adjustment screw	Maximum output.	(a)
II PC BOARD (X28-231)							
(1)	TAPE SPEED (HI SPEED)	MTT-111, TCC-110 SCC-1727 3kHz -4dB	(B)	Test mode test FF key HI speed F. PLAY key Normal speed	DECK A: DECK B: VR1 (VR103) on each own mechanism board	Adjust the tape speed so that a 6kHz signal is produced at the center of the tape.	
(2)	TAPE SPEED (NORMAL)	MTT-111, TCC-110 SCC-1727 3kHz -4dB	(B)		DECK A: DECK B: VR2 (VR223) on each own mechanism board	Adjust the tape speed so that a 3kHz signal is produced at the center of the tape.	
(3)	QUICK REVERSE SENSITIVITY	Use the leader section of the test tape.	Connect a DC voltmeter to TP5 and GND (A) TP6 and GND (B)	PLAY	DECK A: VR9 DECK B: VR10	Adjust the semi-fixed resistanceso that 0.75V (±0.15V) voltage is obtained.	(b)
III PC BOARD (X28-231)							
<1>	PLAYBACK LEVEL	MTT-150 400Hz(200nWb)	(B)	PLAY	DECK A:VR1(L) VR2(R) DECK B:VR3(L) VR4(R)	Output level: -3.0dBs	
		MTT-256, SCC-1727 315Hz (160nWb)				Output level: -6.0dBs	
		MTT-256U, TCC-160 SCC-1176 315Hz(220nWb)				Output level: -2.0dBs	
<2>	BIAS CURRENT	(A) 1kHz, -30dBs 10kHz, -30dBs	(B)	Adjust REC level volume so that the REC monitor output becomes -29dBs at 1kHz, then record and reproduce signal of 1kHz and 10kHz in alaternation.	DECK A:VR5(L) VR6(R) DECK B:VR7(L) VR8(R)	Record 1kHz and 10kHz in alternation and adjust the variable resistors which control the bias current so that the same playback level is obtained.	
<3>	BIAS OSCILLATING FREQUENCY	Load the non recorded tapes on Deck A and B.	Connect the frequency counter between TP1 and GND on Deck A, between TP2 and GND on Deck B.	REC	DECK A: L3 DECK B: L4	Adjust so that the frequency counter shows 105kHz.	(c)
<4>	BIAS LEAK	Load a non recorded tape on Deck A	(B)	Load a metal tape, and dub in a high speed mode.	DECK A: L5(L) L6(R) DECK B: L7(L) L8(R)	Minimum (Point)	

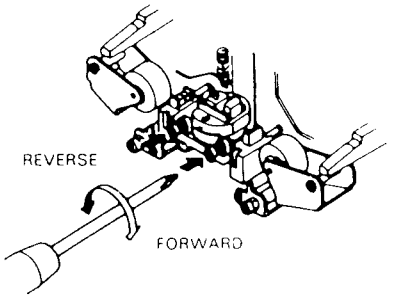
KX-W8060

ADJUSTMENT/REGLAGE/ABGLEICH

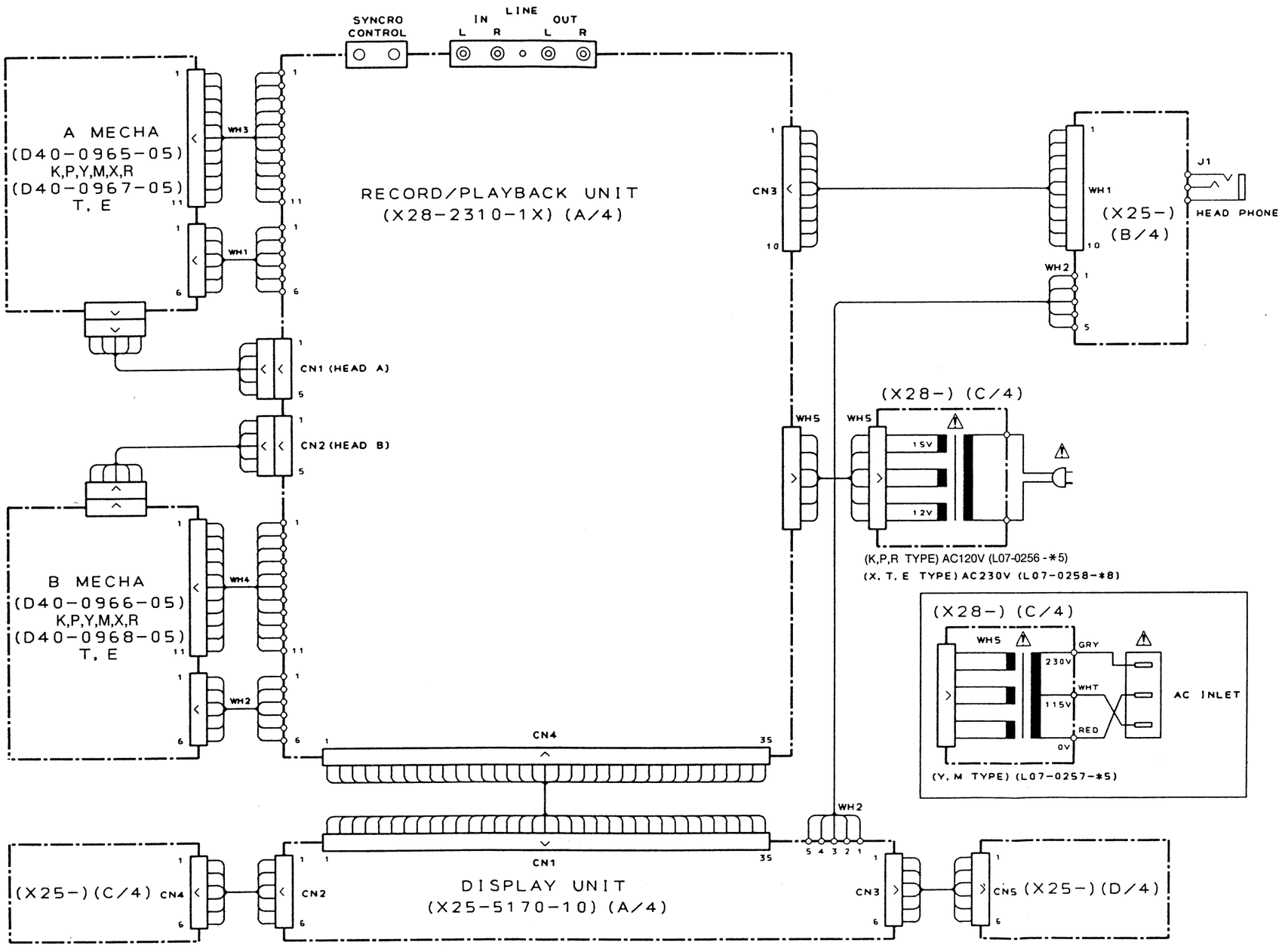
SYSTEM CONNECTION



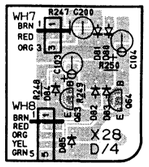
(a) AZIMUTH ADJUSTMENT SCREW

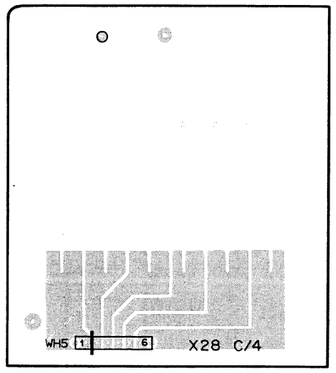


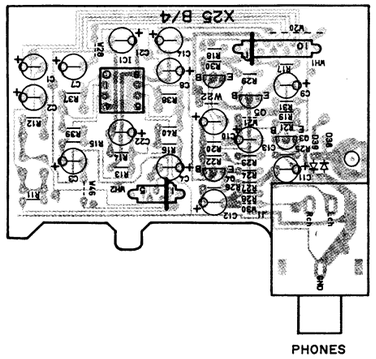
WIRING DIAGRAM

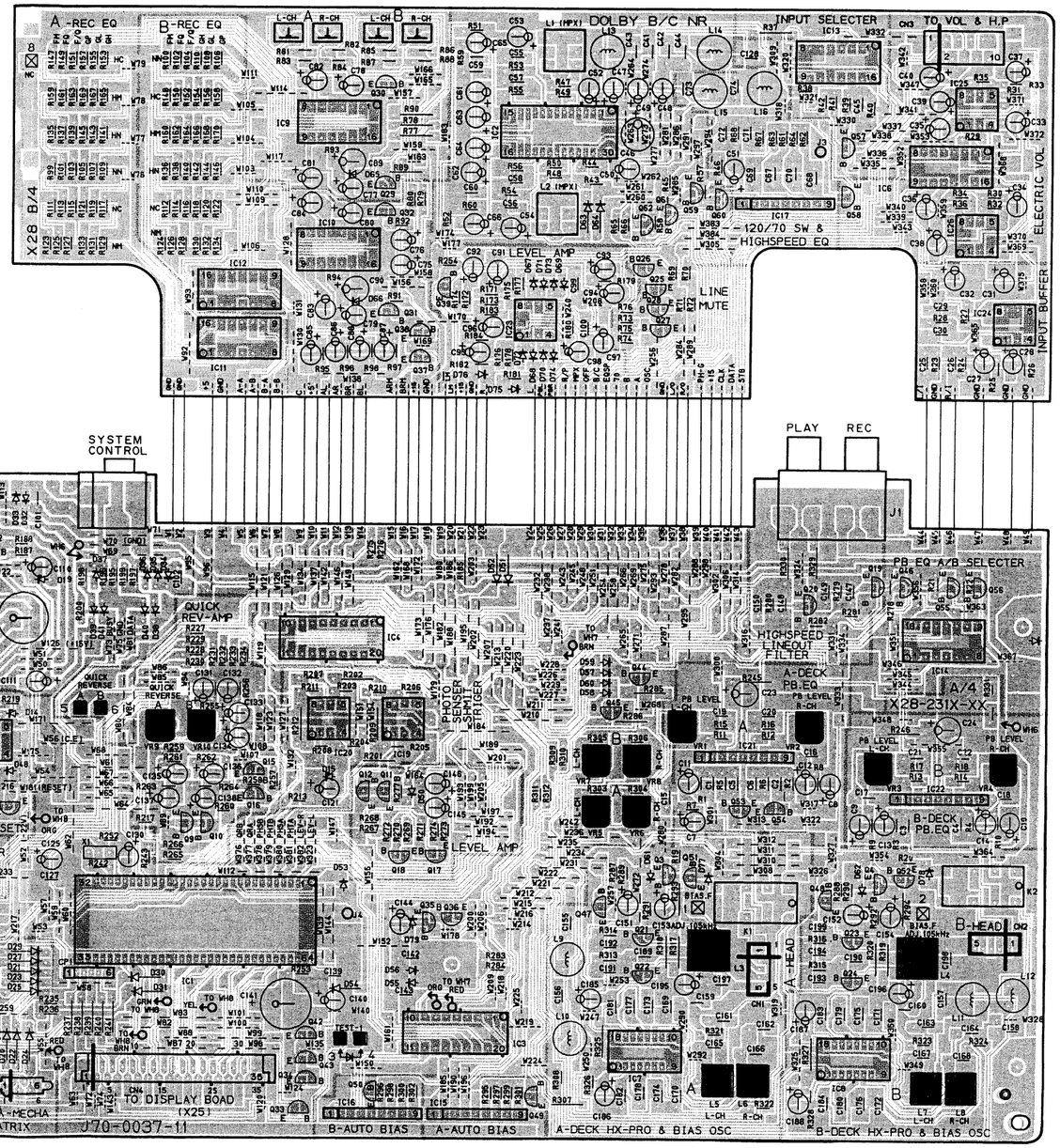


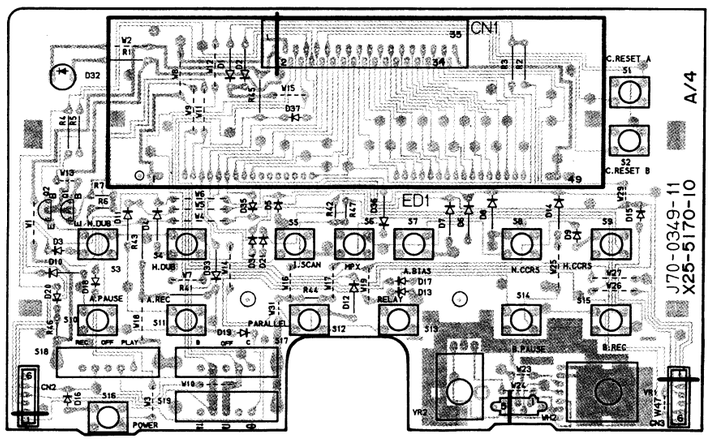
PC BOARD (Component side view)

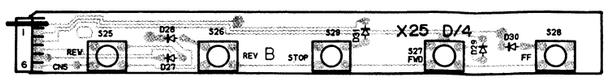












FRONT

Refer to the schematic diagram for the values of resistors and capacitors.

X28-2310-1X

A DECK
D40-0965-05 D40-0967-05
(K,P,Y,M,X,R) (T, E)

B DECK
D40-0966-05 D40-0968-05
(K,P,Y,M,X,R) (T, E)

IC1 : TA7291S
D7 : HZS7B3
D8 : HZS4A3
Q1 : 2SC3377
Q2 : 2SA933
Q3 : 2SC4204

* E,T ONLY

DOLBY HX-PRO B-DECK

REC-EQ A

REC-EQ B

EQ-SW A

EQ-SW B

AUTO BIAS

BIAS ON/OFF

A-DECK ERASE CONT

B-DECK ERASE CONT

SYSTEM CONTROL

A-DECK BIAS ERO (10SKH3)

B-DECK BIAS ERO (10SKH3)

A-PB EQ

B-PB EQ

A/B SW

B-M

PLAY STOP 0V

REC (N) 1.3V (C) 3.5V (M)

REC 0V (N) 4.2V (C) 4.7V (M)

REC 0V (N) 4.2V (C)

0.1V (REC) 15V (PLAY, STOP)

5.6K

2.2K

22K

120μ/70μ SW

DOLBY HX-PRO B-DECK

PEAK DET

ABSO DET

STABILIZING POWER SOURCE

THERMAL DETECTING PROTECTION CIRCUIT

COMP.

VCA

PRE DRIVER

CONTROL

F/O

FM

GP

GH

GL

HN

HM

HC

NN

NM

NC

H NOR

L

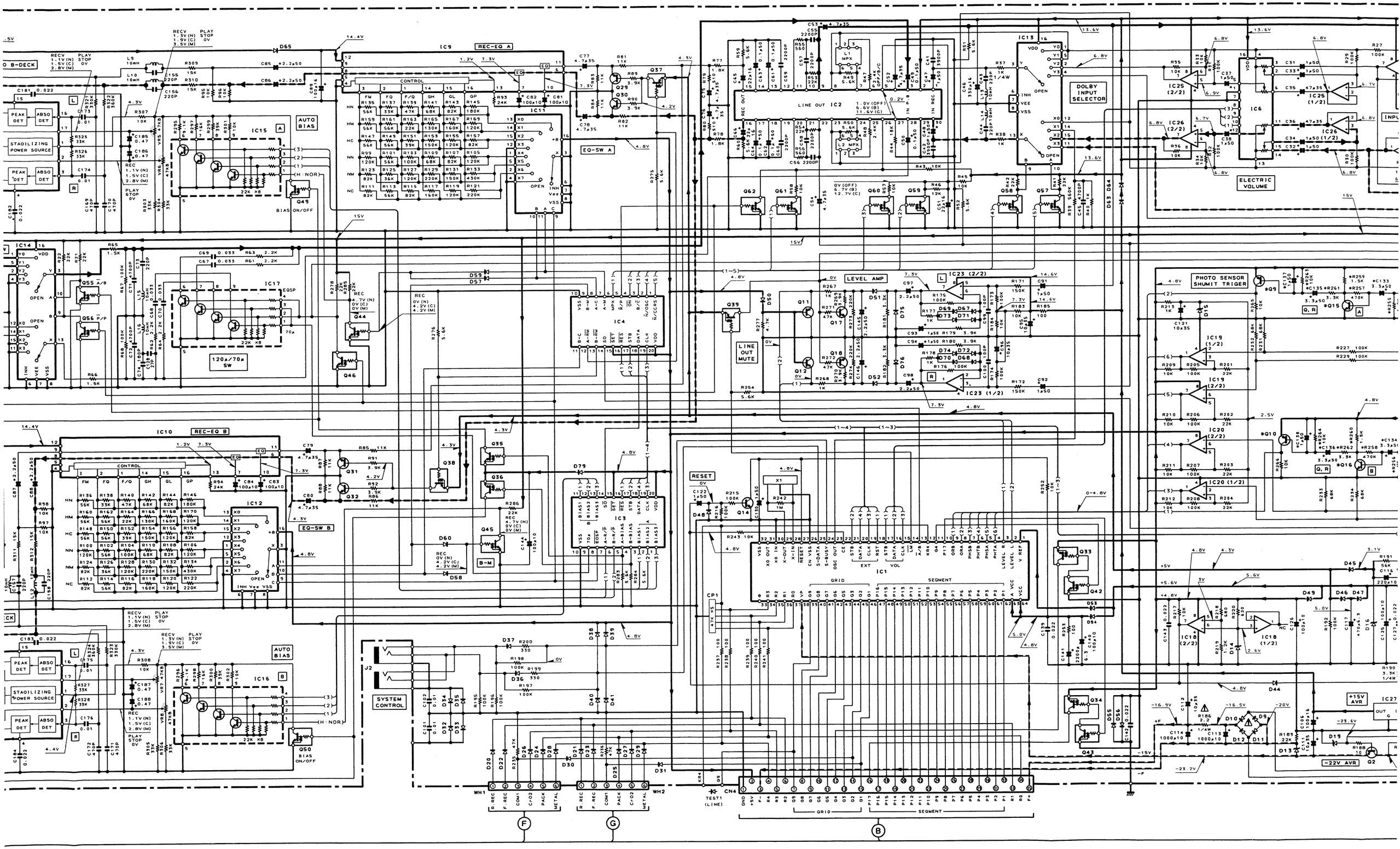
R

METAL
PACK
C-O2
COMMON
F. REC
R. REC

SPEED
+12V
SOL HOLD
SOL KICK
GND
REEL REW +
REEL FF +
CPM-REEL-V
TAKE UP SENSOR
SUPPLY SENSOR
QUICK SENSOR (CMAY22418A)
NC (CMAY22418A)

R/P HEAD
ERASE HEAD
L ch
R ch
GND
EH

SOL
CPM
REEL


IC9 REC-EQ A
IC10 REC-EQ B
IC11
IC12
IC13
IC14
IC15
IC16
IC17
IC1
IC2
IC3
IC4
IC6
IC18 (1/2)
IC19 (1/2)
IC19 (2/2)
IC20 (1/2)
IC20 (2/2)
IC23 (1/2)
IC23 (2/2)
IC25 (2/2)
IC25 (1/2)
IC26 (2/2)
IC26 (1/2)
IC27
CONTROL
FM FQ F/Q GH GL GP
HN HM HC NN NM NC
EQ-SW A
EQ-SW B
AUTO BIAS
BIAS ON/OFF
120µ/70µ SW
LINE OUT MUTE
LEVEL AMP
DOLBY INPUT SELECTOR
ELECTRIC VOLUME
PHOTO SENSOR SHUMIT TRIGER
SYSTEM CONTROL
RESET
TEST1 (LINE)
GRID
SEGMENT
+15V AVR
-22V AVR
RECV 1.3V(N) 1.9V(C) 3.5V(M)
PLAY STOP 0V
REC 1.1V(N) 1.5V(C) 2.8V(M)
REC 0V(N) 4.2V(C) 4.2V(M)
REC 4.7V(N) 0V(C) 0V(M)
STAOILIZING POWER SOURCE
PEAK DET
ABSO DET
H:NOR
INH Vee VSS
LINE OUT IC2
IN REC
REC OUT
IN PLAY
TEST1 (LINE)

KX-W8050		
DESTINATION	K,P,Y,M,X,R 0–12	T, E 0–13
QUIC REVERSE	YES	NO
R331	220	330
VR9, VR10	NO	YES
Q9, Q10		
Q15, Q16		
C131~C138		
R255~R264		
PINS. 6		

IC1	: M50945-129SP
IC2	: HA12170NT
IC3, 4, 5	: CXD1067P
IC6	: TC9213P
IC7, 8	: μPC1297CA
IC9, 10	: CXA1198AP
IC11, 12	: XRU4051Bor TC4051BP
IC13, 14	: XRU4052Bor TC4052BP
IC15~17	: TD62554S
IC18~20	: BA10393
IC21, 22	: TA81255
IC23	: NJM4558D
IC24~26	: XRA15218DXor NJM4565D-D
IC27	: μPC7815HF
Q1	: 2SD1266 (Q, P)
Q2	: 2SA999 (E, F)
Q3~5	: 2SC3940A
Q6, 7	: 2SC3246
Q9~12	: 2SA1309A (Q, R) or 2SA933S (Q, R)
Q13~32	: 2SC3311A (Q, R) or 2SC1740S (Q, R)
Q33~39	: UN4112or DTA124ES
Q40~62	: UN4212or DTC124ES
D1	: KBP02ML-6127
D2~5, 9~12	: ISR139-100or S56088
D13~15	: RD2.7ES (B2) or HZS2.7N (B2)
D16	: RD4.7ES (B) or HZS4.7N (B)
D17	: RD6.2ES (B2) or HZS6.2N (B2)
D18	: RD13ES (B2) or HZS13N (B2)
D19	: RD24ES (B) or HZS24N (B)
D30, 31	: RB721Q
D6~8, 20~29 32~86	: ISS133orHSS104

DC voltages are as measured with a high impedance voltmeter with a cassette loaded at playback mode. Values may vary slightly due to variations between individual instruments or/and units. Bias circuit DC voltages are as measured while in the record mode.

Les tensions c.c. doivent être mesurées avec un voltmètre à haute impédance, une cassette étant insérée en mode du lecture. Les valeurs peuvent différer légèrement du fait des variations inhérentes aux appareils et aux instruments de mesure individuels.
Les tensions c.c. du circuit de polarité doivent être mesurées, l'appareil étant en mode d'enregistrement.

Die angegebenen Gleichspannungswerte wurden bei eingesetzter Cassette in der Wiedergabe mit einem hochohmigen Spannungsmesser gemessen. Dabei schwanken die Meßwerte aufgrund von Unterschieden zwischen einzelnen Instrumenten oder Geräten u. U. geringfügig. Die angegebenen Gleichspannungswerte der Vormagnetisierungsschaltung wurden in der Aufnahme-Betriebsart gemessen.

CAUTION: For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list). ⚠ Indicates safety critical components. To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

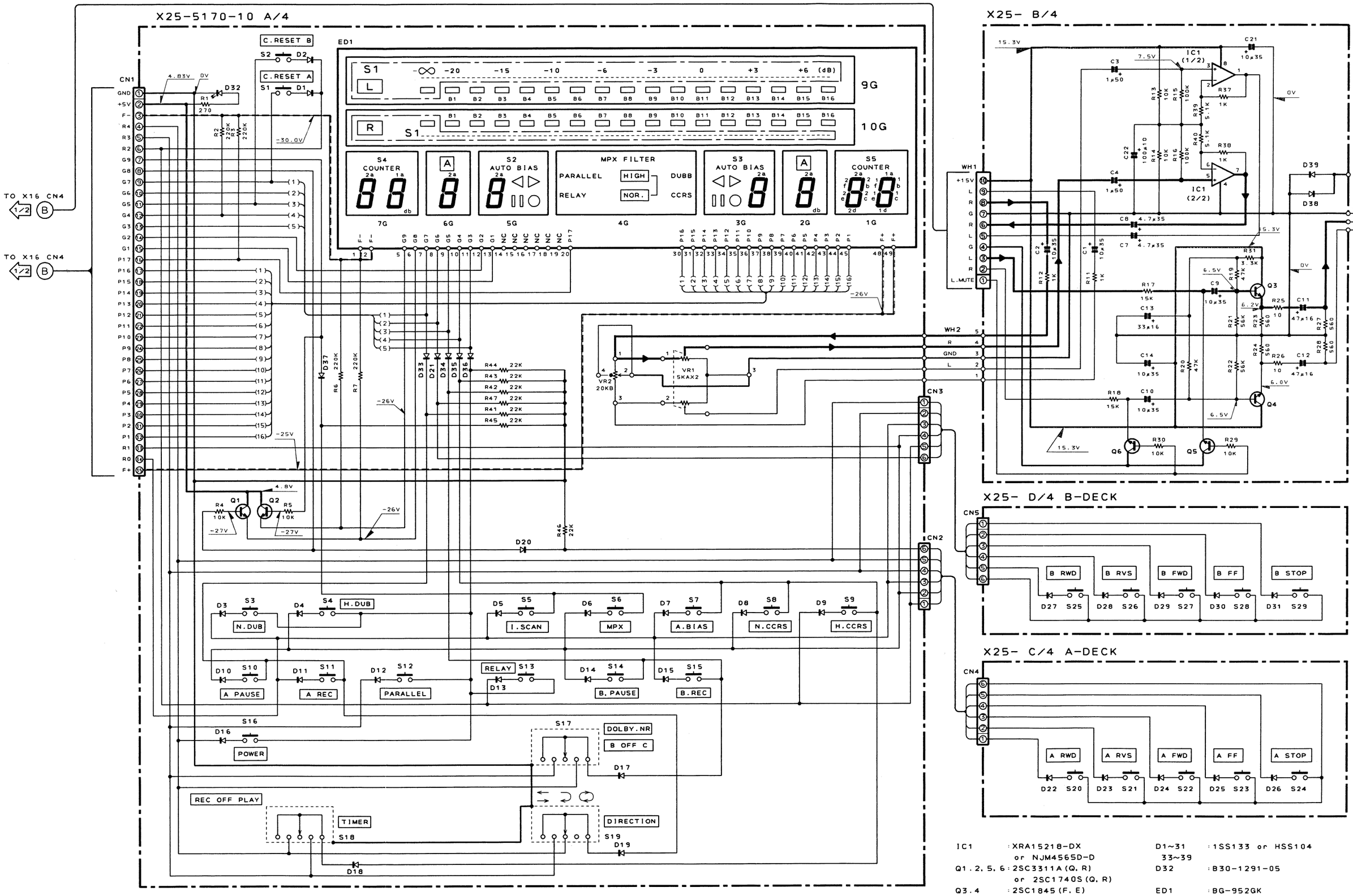
SIGNAL LINE
GND LINE
+B LINE
-B LINE

(X28-) (C/4)
(K,P,R TYPE) AC120V (L07-0256-*5)
(X, T, E TYPE) AC230V (L07-0258-*8)

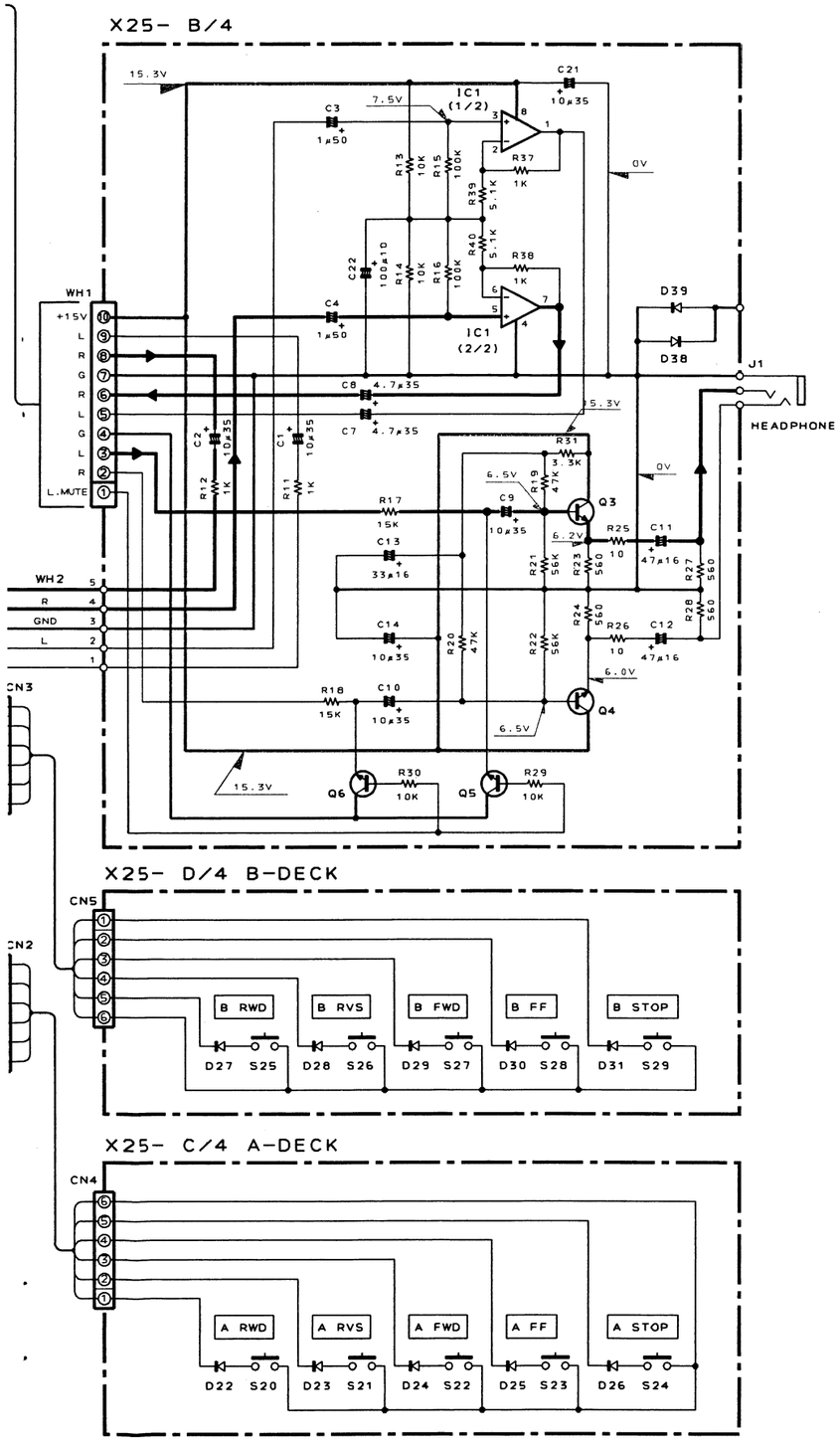
(X28-) (C/4)
(Y, M TYPE) (L07-0257-*5)

Y26-3880-10

KX-W8060
KENWOOD



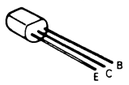
IC1	: XRA15218-DX or NJM4565D-D	D1~31 33~39	: 1SS133 or HSS104
Q1.2.5.6	: 2SC3311A (Q, R) or 2SC1740S (Q, R)	D32	: B30-1291-05
Q3.4	: 2SC1845 (F, E)	ED1	: BG-952GK



IC1	: XRA15218-DX or NJM4565D-D	D1~31, 33~39	: 1SS133 or HSS104
Q1, 2, 5, 6	: 2SC3311A (Q, R) or 2SC1740S (Q, R)	D32	: B30-1291-05
Q3, 4	: 2SC1845 (F, E)	ED1	: BG-952GK

SIGNAL LINE
GND LINE
+B LINE
-B LINE

2SA999
2SC1845
2SC3246
2SC3940A



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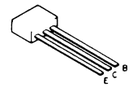
2SC3311A



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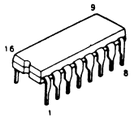
TC4052BP
TC9213P



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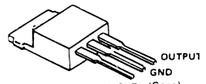

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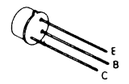

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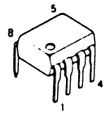

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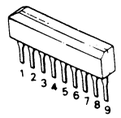
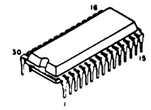
TD62554S



HA12170NT



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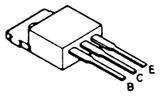

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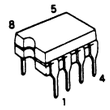

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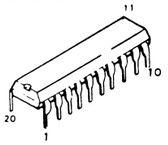

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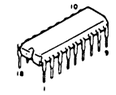

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DTC124ES
UN4112
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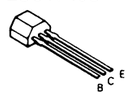
2SC1740S



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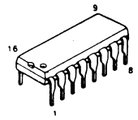

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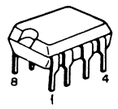
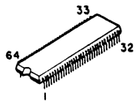


M50945-129SP



DC voltages are as measured with a high impedance voltmeter with a cassette loaded at playback mode. Values may vary slightly due to variations between individual instruments or/and units. Bias circuit DC voltages are as measured while in the record mode.

Les tensions c.c. doivent être mesurées avec un voltmètre à haute impédance, une cassette étant insérée en mode du lecture. Les valeurs peuvent différer légèrement du fait des variations inhérentes aux appareils et aux instruments de mesure individuels.
Les tensions c.c. du circuit de polarité doivent être mesurées, l'appareil étant en mode d'enregistrement.

Die angegebenen Gleichspannungswerte wurden bei eingesetzter Cassette in der Wiedergabe mit einem hochohmigen Spannungsmesser gemessen. Dabei schwanken die Meßwerte aufgrund von Unterschieden zwischen einzelnen Instrumenten oder Geräten u. U. geringfügig. Die angegebenen Gleichspannungswerte der Vormagnetisierungsschaltung wurden in der Aufnahme-Betriebsart gemessen.

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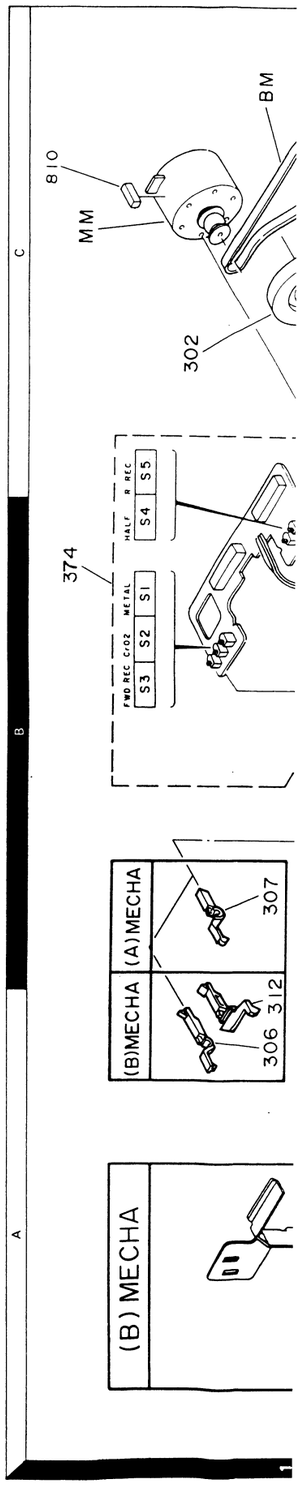
KX-W8060
KENWOOD
Y26-3880-10

KX-W8060
EX



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2SC1845
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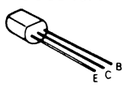

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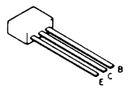

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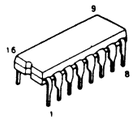
TC4052BP
TC9213P



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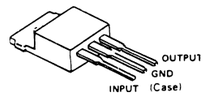

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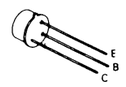

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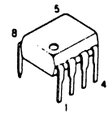

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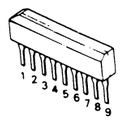

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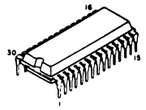

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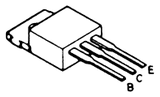

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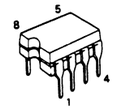

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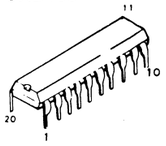

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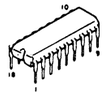

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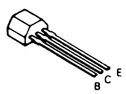

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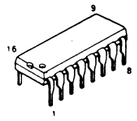
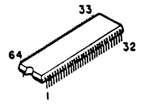


XRA10393

M50945-129SP



;IGNAL LINE
ND LINE
B LINE
B LINE

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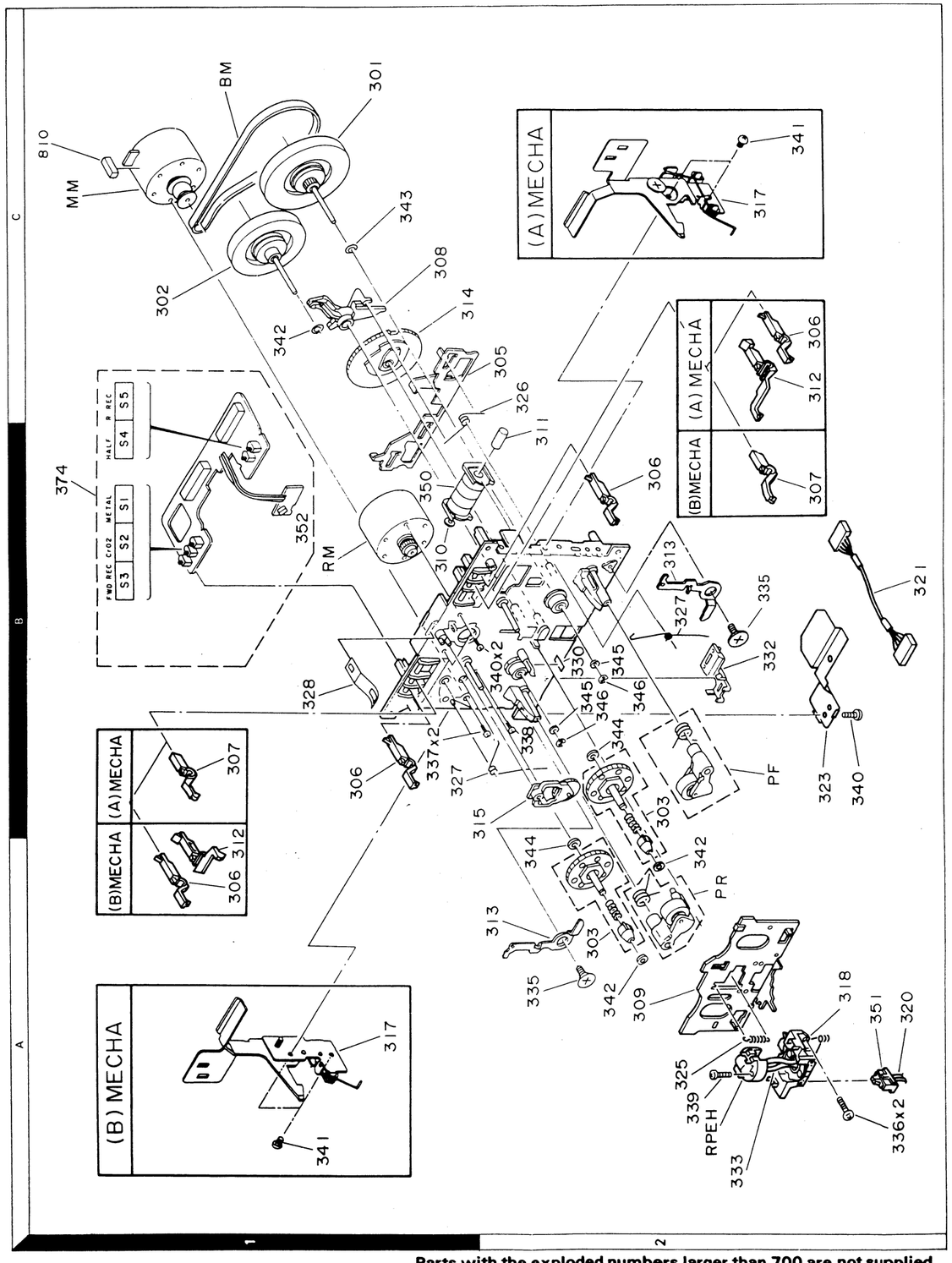
KX-W8060

KENWOOD

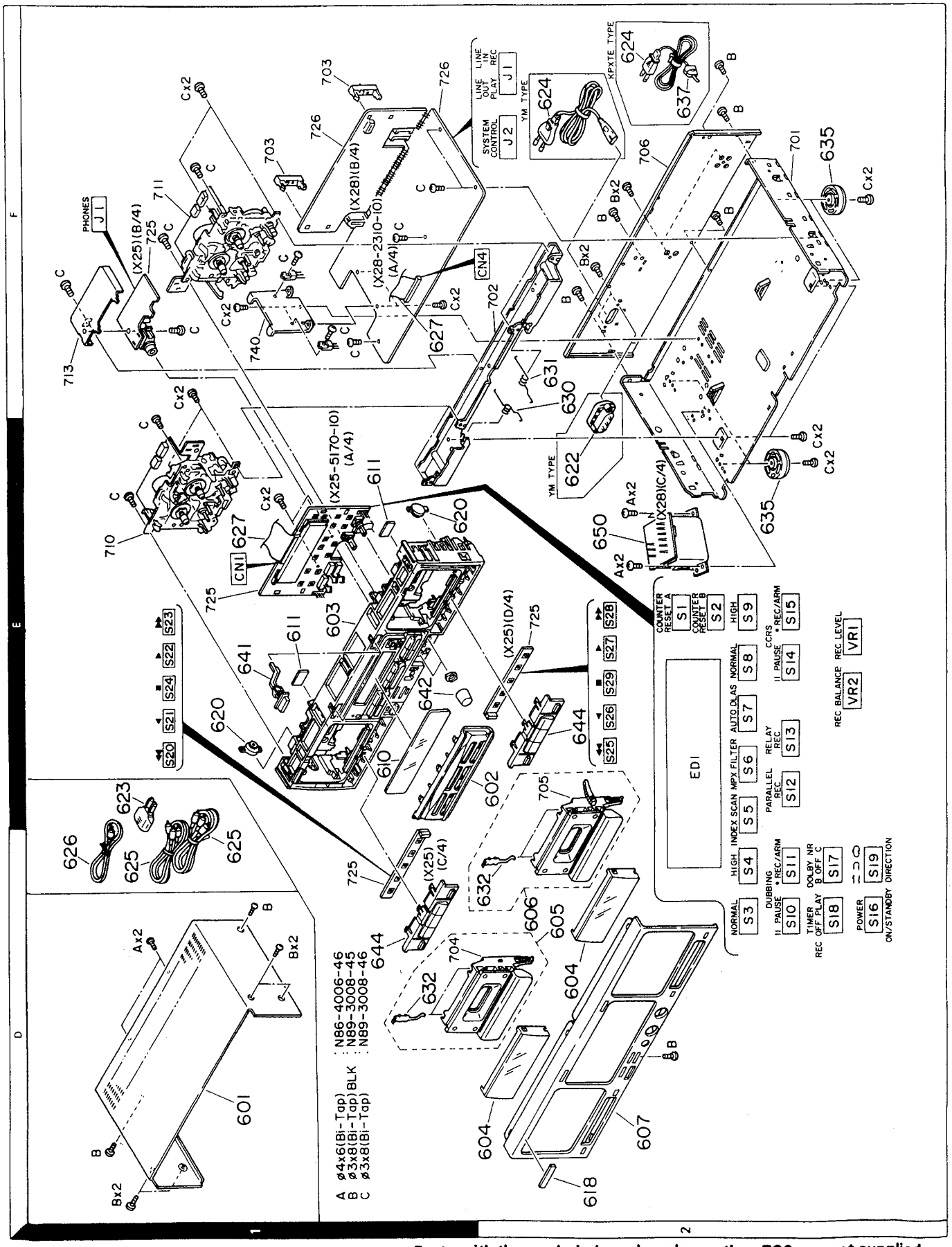
Y26-3880-10

EXPLODED VIEW (MECHANISM)



Parts with the exploded numbers larger than 700 are not supplied.

EXPLODED VIEW (UNIT)



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KX-W8060

PARTS LIST

UNIT LIST

Destination		DISPLAY UNIT	RECORD/PLAYBACK AMPLIFIER UNIT
Japan made	K	X25-5170-10	X28-2310-12
	M	X25-5170-10	X28-2310-12
	R	X25-5170-10	X28-2310-12
China made	K	X25-5170-10	X28-2310-12
	P	X25-5170-10	X28-2310-12
	Y	X25-5170-10	X28-2310-12
	M	X25-5170-10	X28-2310-12
	X	X25-5170-10	X28-2310-12
	T	X25-5170-10	X28-2310-13
	E	X25-5170-10	X28-2310-13
	R	X25-5170-10	X28-2310-12

NO.1

Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名／規格	Destination 仕向	Remarks 備考
			KX-W8060			
601	1D		A01-3026-01	METALLIC CABINET		
602	2E		A21-1826-03	DRESSING PANEL		
603	1E		A22-1605-01	SUB PANEL		
604	2D		A53-1383-14	CASSETTE LID		
605	2D		A53-1384-03	CASSETTE HOLDER ASSY	KPYMXR	
605	2D		A53-1398-03	CASSETTE HOLDER ASSY	TE	
606	2D		A53-1386-03	CASSETTE HOLDER ASSY	KPYMXR	
606	2D		A53-1400-03	CASSETTE HOLDER ASSY	TE	
607	2D	*	A60-0571-02	PANEL		
		*	B60-1600-00	INSTRUCTION MANUAL (ENGLISH)		
		*	B60-1601-00	INSTRUCTION MANUAL (FRENCH)	PE	
		*	B60-1602-00	INSTRUCTION MANUAL (CHINESE)	M	
		*	B60-1603-00	INSTRUCTION MANUAL (GE,DU,IT)	E	
		*	B60-1604-00	INSTRUCTION MANUAL (SPANISH)	MER	
610	1E		B03-2807-03	DRESSING PLATE		
611	1E		B07-1720-04	ESCUTCHEON		
618	2D	*	B43-0300-14	KENWOOD BADGE		
-			B46-0092-33	WARRANTY CARD	K	
-			B46-0094-03	WARRANTY CARD	Y	
-			B46-0095-03	WARRANTY CARD	Y	
-			B46-0096-43	WARRANTY CARD	X	
-			B46-0121-33	WARRANTY CARD	P	
-			B46-0197-00	QUESTIONAIRE CARD	KR	
-			B46-0310-03	WARRANTY CARD	TE	
-			B58-0513-04	CAUTION CARD (PRESET220-240)	Y	
-			B58-0945-03	CAUTION CARD	T	
620	2E		D39-0176-05	DAMPER		
622	2E		E03-0102-25	AC INLET	YM	
623	2F		E03-0115-05	AC PLUG ADAPTER	M	
624	2F		E30-0459-05	AC POWER CORD	E	
624	2F		E30-0974-05	AC POWER CORD (INLET)	KPR	
624	2F		E30-1305-15	AC POWER CORD (INLET)	Y	
624	2F		E30-1329-15	AC POWER CORD (INLET)	M	
624	2F		E30-2714-05	AC POWER CORD	X	
624	2F		E30-2718-05	AC POWER CORD	T	
625	1D		E30-0505-05	AUDIO CORD		
626	1D		E30-2733-05	CORD WITH PLUG		
627	1E,1F		E35-0083-05	FLAT CABLE (X25<CN1>-X28<CN4>)		
630	2F		G01-3417-24	TORSION COIL SPRING		
631	2F		G01-3418-24	TORSION COIL SPRING		
632	1D,2D		G02-0944-04	FLAT SPRING		
		*	H50-1035-04	ITEM CARTON CASE(MADE IN CHINA	KPYXER	H
		*	H50-1036-04	ITEM CARTON CASE(MADE IN CHINA	M	H
		*	H50-1037-04	ITEM CARTON CASE(MADE IN CHINA	T	H
		*	H50-1043-04	ITEM CARTON CASE(MADE IN JAPAN	KMR	J
-			H10-5101-12	POLYSTYRENE FOAMED FIXTURE	KMR	J
-			H10-5102-12	POLYSTYRENE FOAMED FIXTURE	KMR	J
-			H10-5703-02	POLYSTYRENE FOAMED FIXTURE	KPYMXE	H
-			H10-5703-02	POLYSTYRENE FOAMED FIXTURE	R	H
-			H10-5704-02	POLYSTYRENE FOAMED FIXTURE	KPYMXE	H
-			H10-5704-02	POLYSTYRENE FOAMED FIXTURE	R	H

* New Parts
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NO.2

Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名／規格	Destination 仕向	Remarks 備考
-			H10-5705-02	P@LYSTYRENE F@AMED FIXTURE	T	H
-			H10-5706-02	P@LYSTYRENE F@AMED FIXTURE	T	H
-			H13-0116-04	CART@N B@ARD	X	
-			H20-0554-04	PR@TECTI@N C@VER	M	
-			H25-0232-04	PR@TECTI@N BAG (235X350X0.03)	KPYMXE	
-			H25-0232-04	PR@TECTI@N BAG (235X350X0.03)	R	
-			H25-0330-04	PR@TECTI@N BAG	KPYXER	
-			H25-0651-04	PR@TECTI@N BAG (0232 PRINTED)	T	
-			H25-0658-04	PR@TECTI@N BAG (0330 PRINTED)	T	
635	2E,2F		J02-1013-05	F@@T (REAR)	KPR	
635	2E,2F		J02-1024-05	F@@T (FR@NT)	KPR	
635	2E,2F		J02-1034-05	F@@T	YMXTE	
⚠ 637	2F		J42-0083-05	P@WER C@RD BUSHING	KPXTER	
-			J61-0307-05	WIRE BAND		
641	1F		K29-4149-04	KN@B EJECT		
642	1E		K29-5628-04	KN@B REC LEVEL,REC BALANCE		
644	1D,2E		K29-5626-03	KN@B PLAY		
⚠ 650	2E		L07-0256-05	P@WER TRANSF@RMER	KPR	
⚠ 650	2E		L07-0257-05	P@WER TRANSF@RMER	YM	
⚠ 650	2E		L07-0258-05	P@WER TRANSF@RMER	XTE	
A	1D,2F		N86-4006-46	BINDING HEAD TAPTITE SCREW		
B	1E,1F		N89-3008-45	BINDING HEAD TAPTITE SCREW		
C	2E		N89-3008-46	BINDING HEAD TAPTITE SCREW		
DISPLAY UNIT(X25-5170-10)						
D32			B30-1291-05	LED (LN21CPSNX<V>-<TA4>)		
C1			CE04KW1V100M	ELECTR@ 10UF 35WV		
C2			C90-3244-05	ELECTR@ 10UF 35WV		
C3 ,4			CE04KW1H010M	ELECTR@ 1.0UF 50WV		
C7			CE04KW1V4R7M	ELECTR@ 4.7UF 35WV		
C8			C90-3242-05	ELECTR@ 4.7UF 35WV		
C9 ,10			C90-3244-05	ELECTR@ 10UF 35WV		
C11 ,12			CE04KW1C470M	ELECTR@ 47UF 16WV		
C13			C90-3227-05	ELECTR@ 33UF 16WV		
C14			CE04KW1V100M	ELECTR@ 10UF 35WV		
C21			CE04KW1V100M	ELECTR@ 10UF 35WV		
C22			C90-3222-05	ELECTR@ 100UF 10WV		
CN1	1E		E40-4215-05	FLAT CABLE C@NNCT@R		
J1			E11-0208-05	PH@NE JACK PH@NE		
VR1			R10-2006-05	P@TENTI@METER(5K)		
VR2			R05-3030-05	P@TENTI@METER(20K)		
S1 -16			S40-1064-05	PUSH SWITCH		
S17 -19			S31-1036-05	SLIDE SWITCH		
S20 -29			S40-1064-05	PUSH SWITCH		
D1 -31			HSS104	DI@DE		
D1 -31			1SS133	DI@DE		
D33 -39			HSS104	DI@DE		
D33 -39			1SS133	DI@DE		
ED1			BG-952GK	INDICAT@R TUBE		
IC1			NJM4565D-D	IC(@P AMP X2)		
IC1			XRA15218-DX	IC(@P AMP X2)		
Q1 ,2			2SC1740S(Q,R)	TRANSISTOR		

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NO.3

Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名／規格	Destination 仕向	Remarks 備考
Q1 ,2			2SC3311A(Q,R)	TRANSISTOR		
Q3 ,4			2SC1845(F,E)	TRANSISTOR		
Q5 ,6			2SC1740S(Q,R)	TRANSISTOR		
Q5 ,6			2SC3311A(Q,R)	TRANSISTOR		
RECORD/PLAYBACK AMPLIFIER UNIT(X28-2310-XX)						
C1 ,2			CC45FSL1H151J	CERAMIC 150PF J		
C3 ,4			CK45FB1H681K	CERAMIC 680PF K		
C5 ,6			CK45FB1H561K	CERAMIC 560PF K		
C7 -10			CE04KW1V100M	ELECTR@ 10UF 35WV		
C11 -14			CE04KW1H010M	ELECTR@ 1.0UF 50WV		
C15 -18			CK45FB1H391K	CERAMIC 390PF K		
C19 -22			CQ92FM1H123J	MYLAR 0.012UF J		
C23 ,24			CE04KW1C101M	ELECTR@ 100UF 16WV		
C25 ,26			CC45FSL1H271J	CERAMIC 270PF J		
C27 ,28			CE04KW1H010M	ELECTR@ 1.0UF 50WV		
C29 ,30			CC45FSL1H101J	CERAMIC 100PF J		
C31 -34			CE04KW1H010M	ELECTR@ 1.0UF 50WV		
C35 ,36			CE04KW1V4R7M	ELECTR@ 4.7UF 35WV		
C37 ,38			CE04KW1H010M	ELECTR@ 1.0UF 50WV		
C39 ,40			CE04KW1V100M	ELECTR@ 10UF 35WV		
C41 ,42			CK45FB1H392K	CERAMIC 3900PF K		
C43 ,44			CC45FSL1H221J	CERAMIC 220PF J		
C45			CQ92FM1H472J	MYLAR 4700PF J		
C46			CE04KW1C331M	ELECTR@ 330UF 16WV		
C47 ,48			CE04KW1H010M	ELECTR@ 1.0UF 50WV		
C49 ,50			CE04KW1H0R1M	ELECTR@ 0.1UF 50WV		
C51			CE04KW1C220M	ELECTR@ 22UF 16WV		
C52 -54			CE04KW1V4R7M	ELECTR@ 4.7UF 35WV		
C55 -60			CQ92FM1H222J	MYLAR 2200PF J		
C61 -64			CE04KW1H0R1M	ELECTR@ 0.1UF 50WV		
C65 ,66			CE04KW1C220M	ELECTR@ 22UF 16WV		
C67 ,68			CF92FV1H333J	MF 0.033UF J		
C69 ,70			CK45FF1H333Z	CERAMIC 0.033UF Z		
C71 ,72			CK45FF1H472Z	CERAMIC 4700PF Z		
C73			CC45FSL1H221J	CERAMIC 220PF J		
C74			CC45FSL1H181J	CERAMIC 180PF J		
C75 -80			CE04KW1V4R7M	ELECTR@ 4.7UF 35WV		
C81 -84			CE04KW1A101M	ELECTR@ 100UF 10WV		
C85 -88			CE04KW1H2R2M	ELECTR@ 2.2UF 50WV		
C89 ,90			CE04KW1C101M	ELECTR@ 100UF 16WV		
C91 -94			CE04KW1H010M	ELECTR@ 1.0UF 50WV		
C95 ,96			CE04KW1V100M	ELECTR@ 10UF 35WV		
C97			CE04KW1H2R2M	ELECTR@ 2.2UF 50WV		
C98			CE04KW1H2R2M	ELECTR@ 2.2UF 50WV		
C99 ,100			CC45FSL1H101J	CERAMIC 100PF J		
C101,102			CK45FF1H103Z	CERAMIC 0.010UF Z		
C105			CE04KW1V222M	ELECTR@ 2200UF 35WV		
C106			CE04KW1C101M	ELECTR@ 100UF 16WV		
C107			CE04KW1V470M	ELECTR@ 47UF 35WV		
C108			CE04KW1H470M	ELECTR@ 47UF 50WV		
C109			CE04KW1J470M	ELECTR@ 47UF 63WV		
C110-112			CE04KW1V100M	ELECTR@ 10UF 35WV		
C113,114			CE04KW1A102M	ELECTR@ 1000UF 10WV		
C115			CE04KW1H010M	ELECTR@ 1.0UF 50WV		
C116			CE04KW1A221M	ELECTR@ 220UF 10WV		

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NO.4

Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名／規格	Destination 仕向	Remarks 備考
C117			CE04KW0J471M	ELECTR@ 470UF 6.3WV		
C118			CE04KW1E102M	ELECTR@ 1000UF 25WV		
C119,120			CE04KW1C101M	ELECTR@ 100UF 16WV		
C121			CE04KW1V100M	ELECTR@ 10UF 35WV		
C122			CE04KW1H010M	ELECTR@ 1.0UF 50WV		
C123			CE04KW1V100M	ELECTR@ 10UF 35WV		
C124-126			CE04KW1A101M	ELECTR@ 100UF 10WV		
C127			CK45FF1H223Z	CERAMIC 0.022UF Z		
C128			CC45FSL1H270J	CERAMIC 27PF J		
C129			CK45FF1H223Z	CERAMIC 0.022UF Z		
C130			CE04KW1H010M	ELECTR@ 1.0UF 50WV		
C131,132			CE04KW1V100M	ELECTR@ 10UF 35WV	TE	
C133-136			CE04KW1H3R3M	ELECTR@ 3.3UF 50WV	TE	
C137,138			CE04KW1H010M	ELECTR@ 1.0UF 50WV	TE	
C139			CK45FF1H223Z	CERAMIC 0.022UF Z		
C140			CE04KW1A101M	ELECTR@ 100UF 10WV		
C141			CE04KW0J222M	ELECTR@ 2200UF 6.3WV		
C142,143			CK45FF1H223Z	CERAMIC 0.022UF Z		
C144			CE04KW1A101M	ELECTR@ 100UF 10WV		
C145,146			CE04KW1H2R2M	ELECTR@ 2.2UF 50WV		
C147,148			CK45FB1H122K	CERAMIC 1200PF K		
C149,150			CK45FB1H332K	CERAMIC 3300PF K		
C151,152			CE04KW1C220M	ELECTR@ 22UF 16WV		
C153,154			CE04KW1H2R2M	ELECTR@ 2.2UF 50WV		
C155-158			CC45FSL1H221J	CERAMIC 220PF J		
C159,160			CC45FSL2H100D	CERAMIC 10PF D		
C161-164			C91-1434-05	FILM 150PF J		
C165-168			C91-1436-05	FILM 220PF J		
C169-172			CK45FB1H471K	CERAMIC 470PF K		
C173-176			CK45FF1H103Z	CERAMIC 0.010UF Z		
C177-180			CF92FV1H823J	MF 0.082UF J		
C181-184			CK45FF1H223Z	CERAMIC 0.022UF Z		
C185-188			CE04KW1HR47M	ELECTR@ 0.47UF 50WV		
C189,190			CK45FF1H103Z	CERAMIC 0.010UF Z		
C191-194			CK45FB1H392K	CERAMIC 3900PF K		
C195,196			CE04KW1C220M	ELECTR@ 22UF 16WV		
C197,198			CQ93HP2A103J	MYLAR 0.010UF J		
C199			CK45FF1H103Z	CERAMIC 0.010UF Z		
CN4	1F		E40-4175-05	FLAT CABLE CONNCTOR		
J1			E13-0445-05	PHONO JACK LINE IN/OUT		
J2			E11-0188-05	MINIATURE PHONE JACK SYNCHRO		
			J11-0098-05	WIRE CLAMPER		
L1 ,2			L79-0720-05	LC FILTER		
L3 ,4			L32-0388-05	BIAS OSCILATING COIL		
L5 -8			L32-0377-05	BIAS OSCILATING COIL		
L9 -16			L40-1035-29	SMALL FIXED INDUCTOR(10MH, J)		
X1			L78-0244-05	RESONATOR 4.000MKHz		
3	1F		N89-3008-45	BINDING HEAD TAPTITE SCREW		
CP1			R90-0818-05	MULTI-COMP 47KX5 J 1/6W		
R221,222			RS14KB3D330J	FL-PROOF RS 33 J 2W		
VR1 -4			R12-0605-05	TRIMMING POT.(220)		
VR5 -8			R12-3688-05	TRIMMING POT.(47K)		
VR9 ,10			R12-3685-05	TRIMMING POT.(10K)	TE	

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NO.5

Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名／規格	Destination 仕向	Remarks 備考
K1 ,2			S51-2089-05	MAGNETIC RELAY		
D1			KBP02ML-6127	DIODE		
D2 -5			S5688B	DIODE		
D2 -5			1SR139-100	DIODE		
D6			HSS104	DIODE		
D6			1SS133	DIODE		
D7 ,8			HSS104	DIODE		
D7 ,8			1SS133	DIODE		
D9 -12			S5688B	DIODE		
D9 -12			1SR139-100	DIODE		
D13 -15			HZS2.7N(B2)	ZENER DIODE		
D13 -15			RD2.7ES(B2)	ZENER DIODE		
D16			HZS4.7N(B)	ZENER DIODE		
D16			RD4.7ES(B)	ZENER DIODE		
D17			HZS6.2N(B2)	ZENER DIODE		
D17			RD6.2ES(B2)	ZENER DIODE		
D18			HZS13N(B2)	ZENER DIODE		
D18			RD13ES(B2)	ZENER DIODE		
D19			HZS24N(B)	ZENER DIODE		
D19			RD24ES(B)	ZENER DIODE		
D20 -29			HSS104	DIODE		
D20 -29			1SS133	DIODE		
D30 ,31			RB721Q	DIODE		
D32 -79			HSS104	DIODE		
D32 -79			1SS133	DIODE		
D86			HSS104	DIODE		
D86			1SS133	DIODE		
IC1			M50945-129SP	IC(MICROPROCESSOR)		
IC2			HA12170NT	IC(DOLBY B/C NR)		
IC3 -5			CXD1067P	IC(SERIAL-PARALLEL CONVERTER)		
IC6			TC9213P	IC(2CH ELECTRONIC VOLUME)		
IC7 ,8			UPC1297CA	IC(DOL HX PRO SYSTEM)		
IC9 ,10			CXA1198AP	IC(CASSETTE DECK REC EQUALIZER		
IC11,12			TC4051BP	IC(8CH MPX/ DE-MPX)		
IC11,12			XRU4051B	IC(MULTIPLEXER/DEMULTIPLEXER)		
IC13,14			TC4052BP	IC(4CH MPX/DE-MPX)		
IC13,14			XRU4052B	IC(MULTIPLEXER/DEMULTIPLEXER)		
IC15-17			TD62554S	IC(4CH TRANSISTOR ARRAY)		
IC18-20			XRA10393	IC(DUAL COMPALATOR)		
IC21,22			TA8125S	IC(2CH PRE AMP)		
IC23			NJM4558D	IC(OP AMP X2)		
IC24-26			NJM4565D-D	IC(OP AMP X2)		
IC24-26			XRA15218-DX	IC(OP AMP X2)		
IC27			UPC7815HF	IC(VOLTAGE REGULATOR/ +15V)		
Q1			2SD1266(Q,P)	TRANSISTOR		
Q2			2SA999(E,F)	TRANSISTOR		
Q3 -5			2SC3940A	TRANSISTOR		
Q6 ,7			2SC3246	TRANSISTOR		
Q9 -12			2SA1309A(Q,R)	TRANSISTOR	TE	
Q9 -12			2SA933S(Q,R)	TRANSISTOR	TE	
Q11 ,12			2SA1309A(Q,R)	TRANSISTOR	KPYMXR	
Q11 ,12			2SA933S(Q,R)	TRANSISTOR	KPYMXR	
Q13 -32			2SC1740S(Q,R)	TRANSISTOR	TE	
Q13 -32			2SC3311A(Q,R)	TRANSISTOR	TE	

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NO.7

Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名／規格	Destination 仕向	Remarks 備考
350	1B,2B		T94-0216-08	SOLENOID		
374	1B		W02-1123-08	PRINTED WIRING BOARD	TE	A
374	1B		W02-1124-08	PRINTED WIRING BOARD	TE	B
374	1B		W02-1125-08	PRINTED WIRING BOARD	KPYMX	A
374	1B		W02-1126-08	PRINTED WIRING BOARD	KPYMX	B
BM	1C		D16-0287-08	BELT		
PF	2B		D14-0311-08	PINCH ROLLER ASSY		
PR	2A		D14-0312-08	PINCH ROLLER ASSY		
S1 -S5	1B,1C		S90-0105-08	PUSH SWITCH		
MM	1C		T42-0535-08	DC MOTOR ASSY (MAIN)		
RM	1B		T42-0534-08	DC MOTOR ASSY (REEL)		
RPEH	2A		T39-0019-08	REC/PB/ERASE HEAD		
PH1 ,2	1B		T95-0120-08	PHOTO SENSOR		
PH3	2A		T95-0117-08	QUICK SENSOR	TE	
VR1			RH0615C14J	TRIMMING POT. 10K		
VR1			R12-3126-05	TRIMMING POT. 10K		
VR2			RH0615CJ4J	TRIMMING POT. 22K		
VR2			R12-3128-05	TRIMMING POT. 22K		
D1 -6			ERA15-01V5	DIODE		
D7			HZS7B3	DIODE		
D8			HZS4A3	DIODE		
D9			ERA15-01V5	DIODE		
IC1			TA7291S	IC(BRIDGE DRIVER)		
Q1			2SC3377	TRANSISTOR		
Q2			2SC933	TRANSISTOR		
Q3			2SC4204	TRANSISTOR		
C1		*	CC45SL1H333K	CERAMIC 0.033UF K		
C2			CE04KW1C330M	ELECTRO 33UF 16WV		
R1 ,2			RD14BB2C122J	RD 1.2K J 1/6W		
R3			RD14BB2C471J	RD 470 J 1/6W	TE	
R4			RD14BB2C102J	RD 1.0K J 1/6W		
R5			RD14BB2C103J	RD 10K J 1/6W		
R6 ,7			RD14BB2C104J	RD 100K J 1/6W		
R8			RD14BB2C103J	RD 10K J 1/6W		
R9			RD14BB2C273J	RD 27K J 1/6W		
R10			RD14BB2C102J	RD 1.0K J 1/6W		
R11			RD14BB2C103J	RD 10K J 1/6W		
R12			RD14BB2C102J	RD 1.0K J 1/6W		

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A : A DECK
B : B DECK

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NO.6

Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名／規格	Destination 仕向	Remarks 備考
Q13 ,14			2SC1740S(Q,R)	TRANSISTOR	KPYMXR	
Q13 ,14			2SC3311A(Q,R)	TRANSISTOR	KPYMXR	
Q17 -32			2SC1740S(Q,R)	TRANSISTOR	KPYMXR	
Q17 -32			2SC3311A(Q,R)	TRANSISTOR	KPYMXR	
Q33 -39			DTA124ES	DIGITAL TRANSISTOR		
Q33 -39			UN4112	TRANSISTOR		
Q40 -62			DTC124ES	DIGITAL TRANSISTOR		
Q40 -62			UN4212	TRANSISTOR		
MECHANISM ASSY (D40-096X-XX)				**A DECK: 5-05: K, P, Y, M, X 7-05: T, E** **B DECK: 6-05: K, P, Y, M, X 8-05: T, E**		
301	1C		D01-0118-08	FLY WHEEL ASSY		
302	1C		D01-0119-08	FLY WHEEL ASSY		
303	2A,2B		D03-0231-08	REEL DISK ASSY		
305	1C		D10-3201-08	SLIDER ASSY		
306	1A,2B		D10-3121-08	LEVER (REC,Cr02)		
307	1B,2B		D10-2336-08	LEVER (METAL)		B
307	2B		D10-2369-08	LEVER (METAL)		A
308	1C		D10-3202-08	PLAY ARM		
309	2A		D10-3205-08	SLIDER		
310	1B		D10-2340-08	ROD (PLUNGER)		
311	2B		D10-2341-08	ROD (CORE)		
312	1B,2B		D10-2342-08	LEVER (PACK)		B
312	1B,2B		D10-2476-08	LEVER (PACK)		A
313	2A,2B		D10-2474-08	TENSION ARM		B
313	2A,2B		D10-2475-08	TENSION ARM		A
314	1C		D13-0941-08	GEAR ASSY		
315	2B		D14-0304-08	IDLER ASSY		
317	2C		D32-0192-08	EJECT LEVER ASSY		A
317	1A		D32-0193-08	EJECT LEVER ASSY		B
318	2A		D40-0928-08	HEAD BASE		
319	2A		D10-3204-08	HEAD BASE ASSY	TE	
319	2A		D10-3206-08	HEAD BASE ASSY	KPYMX	
320	2A		E31-7444-08	QS LEAD WIRE	TE	
321	2B		E31-7945-08	CONNECTING WIRE		
323	2B		F10-0780-08	SHIELDING PLATE		
325	2A		G01-2398-08	TENSION SP		
326	2C		G01-2400-08	TORSION SP		
327	1B,2B		G01-2422-08	TENSION SP		B
327	1B,2B		G01-3341-08	TENSION SP		A
328	1B		G02-0947-08	FLAT SPRING		
330	2B		G16-0764-08	REFLECTING PLATE		
332	2B		J19-3253-08	LEAD HOLDER		
333	2A		J25-6285-08	HEAD WIRE		
335	2A		N09-2863-08	SCREW		
336	2A		N09-2585-08	SCREW (M2X 5)		
337	1B,2B		N09-2700-08	SCREW (M2.6X 5)		
338	2B		N09-2701-08	SCREW (3X 8)		
339	2A		N09-2710-08	SCREW (M1.6X 6)		
340	1B,2B		N09-2698-08	SCREW (M2.6X 6.4)		
341	1A,2C		N09-2730-08	SCREW (M2X 9)		
342	2A		N19-0904-08	FLAT WASHER (1.7X 0.25)		
343	1C		N19-0905-08	FLAT WASHER (2.6X 0.25)		
344	2A,2B		N19-1095-08	FLAT WASHER (2.1X 0.25)		
345	2B		N19-1214-08	FLAT WASHER (2.6X 0.5)		
346	2B		N29-0205-04	E TYPE RETAINING RING		

L:Scandinavia K:USA P:Canada
Y:PX(Far East, Hawaii) T:England E:Europe
Y:AAFES(Europe) X:Australia M,I:Other Areas

A : A DECK
B : B DECK

⚠ indicates safety critical components.

KX-W8060

SPECIFICATIONS

Track System	4-track, 2-channel stereo
Recording system	AC bias (Frequency: 105 kHz)
Heads	A DECK
	Playback/recording head 1
	Erasing head 1
	B DECK
	Playback/recording head 1
	Erasing head 1
Motors	A DECK ..... DC motor × 2
	B DECK ..... DC motor × 2
Fast Winding Time	Approx. 90 seconds (C-60 tape)
Frequency Response:	
Normal Tape	20 Hz to 18,000 Hz, ±3 dB
CrO_2 Tape	20 Hz to 19,000 Hz, ±3 dB
Metal Tape	20 Hz to 20,000 Hz, ±3 dB
Signal-to Noise Ratio :	
Dolby C NR ON	72 dB(Metal tape)
Dolby B NR ON	65 dB(Metal tape)
Dolby NR OFF	57 dB(Metal tape)
Harmonic Distortion	Less than 0.6%
(at 1kHz, 3rd H.D., Normal tape)	
Wow and Flutter	0.06%(W.R.M.S.)
	±0.18% (DIN)
Input sensitivity/Impedance:	
LINE IN	77.5 mV/50 kΩ
Output Level/Impedance:	
LINE OUT	390 mV/1.9 kΩ
Headphones	0.2 mW/8 Ω

[GENERAL]

Power Consumption	35 W
Dimensions	W: 440 mm(17-5/16")
	H: 137 mm(5-3/8")
	D: 269 mm(10-9/16")
Weight(Net)	4.9 kg(10.8 lb)

KENWOOD follows a policy of continuous advancements in development.
For this reason specifications may be changed without notice.
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Pour cette raison, les spécifications sont sujettes à modifications sans préavis.
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KENWOOD strebt ständige Verbesserungen in der Entwicklung an.
Daher bleiben Änderungen der technischen Daten jederzeit vorbehalten.
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Note:

Component and circuitry are subject to modification to insure best operation under differing local conditions. This manual is based on the U.S.A. (K) standard, and provides information on regional circuit modification through use of alternate schematic diagrams, and information on regional component variations through use of parts list.

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